



Installation and Operation Instructions

Citadel™ 2021+ Tahoe

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understood the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation is vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that they can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is the vehicle operator's responsibility to be sure they can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Installation and Mounting:

Step 1. Preferred Method: VHB Mounted

- 1a. With the lift gate closed, clean the bottom of the rear spoiler with detergent and water.
- 1b. Prepare the surface area directly above the housings by wiping with isopropyl (rubbing) alcohol pads.
- 1c. Coat the area with tape primer and allow the primer to dry thoroughly. Both are included with the installation kit. The vehicle's surface temperature should be at least 50°F(10°C), but 70°F(21°C) is preferred.
- 1d. Remove the outer protective paper covering the VHB tape and position the housing under the spoiler as shown in Figure 1. Do this carefully. Once contact is made, readjustment may not be possible. The housings will align with the contour of the spoiler and the separation between the spoiler and painted body as shown in Figure 2. Do this for both housings ensuring the harnesses remain free behind the housings. Apply heavy pressure at each end of the housing and then at the center when installing. Hold the pressure for 10-15 seconds to assure the VHB tape has achieved full adhesion to the surface.

Step 1. Optional Method: Screw Mounted

- 1a. Choose the desired mounting position and mark screw locations through the screw bosses in the housing.
 - 1b. Drill a 0.12" hole and mount the housings using the provided hardware.
- Note:** The VHB tape can be used to hold the housing in place while securing it with screws.

Step 2. Route the harnesses through the upper portion of the liftgate and down the hinges as shown in Figure 3. Attach the harness to the underside of the liftgate using the supplied square adhesive mounting bases and zip ties. **Note: Thoroughly clean all locations where the square adhesive mounting bases will be installed with the supplied alcohol pads before adhering the bases to the vehicle! Allow the alcohol to dry completely before applying the mounting bases. Make sure the harness is securely attached up and away from the wiper arm or it could become entangled in the wiper arm.**

Step 3. Open the liftgate lower section and route the harnesses through the vehicles' OEM boot. A small cut into the rubber may be necessary for ease of routing. Use RTV or equivalent sealant to prevent any moisture from entering the cut to the OEM boot.

Step 4. Refer to the product specific manual to form the proper connections. Install manuals can be found on the USB thumb drive or by contacting a Code 3 representative.



Figure 1



Figure 2



Figure 3

Notes:

Warranty:

Manufacturer Limited Warranty Policy:

Manufacturer warrants that on the date of purchase this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request). This Limited Warranty extends for Sixty (60) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

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Product Returns:

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3®, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

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